

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---------------|---|------------------|---------|------------------|
| L1 | 175 | 560/188.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L2 | 5626 | musk | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L3 | 0 | L1 and L2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L4 | 26151 | terpene | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L5 | 366 | 560/252.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L6 | 536 | L1 or L5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L7 | 0 | L2 and L6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L8 | 3 | L4 and L6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L9 | 53861 | fragr\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L10 | 217 | 512/22.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L11 | 136 | 512/18.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |

EAST Search History

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|-----|-------|--------------------------|---|----|----|------------------|
| L12 | 348 | L11 or L10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L13 | 115 | 3,3-dimethylcyclohexane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:51 |
| L14 | 9 | 3,3-dimethyl-cyclohexane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L15 | 1 | L12 and L13 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L16 | 10 | L14 or L15 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L17 | 123 | L14 or L13 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L18 | 347 | 3,3-dimethylcyclohex\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L19 | 92 | L9 and L18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L20 | 175 | 560/188.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L21 | 5626 | musk | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L22 | 0 | L1 and L2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L23 | 26151 | terpene | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |

EAST Search History

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|-----|-------|-------------------------|---|----|----|------------------|
| L24 | 366 | 560/252.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L25 | 536 | L1 or L5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L26 | 0 | L2 and L6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L27 | 3 | L4 and L6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L28 | 53861 | fragr\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L29 | 217 | 512/22.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L30 | 348 | L11 or L10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L31 | 115 | 3,3-dimethylcyclohexane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L32 | 10 | L14 or L15 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L33 | 123 | L14 or L13 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L34 | 347 | 3,3-dimethylcyclohex\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L35 | 92 | L9 and L18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |

EAST Search History

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|-----|----|--------------------|---|----|-----|------------------|
| L36 | 1 | ("0014051").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L37 | 1 | ("0472966").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L38 | 1 | "4534891".PN. | USPAT; USOCR | OR | ON | 2005/12/29 06:36 |
| L39 | 1 | "6384242".PN. | USPAT; USOCR | OR | ON | 2005/12/29 06:36 |
| L40 | 1 | L12 and L13 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L41 | 1 | ("0014051").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L42 | 1 | ("0472966").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L43 | 1 | "4534891".PN. | USPAT; USOCR | OR | ON | 2005/12/29 06:36 |
| L44 | 1 | "6384242".PN. | USPAT; USOCR | OR | ON | 2005/12/29 06:36 |
| L45 | 1 | L12 and L13 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L46 | 2 | ("5166412").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L47 | 74 | "0014051" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L48 | 2 | ("5166412").URPN. | USPAT | OR | ON | 2005/12/29 06:36 |
| L49 | 2 | ("6384269").URPN. | USPAT | OR | ON | 2005/12/29 06:36 |
| L50 | 2 | ("2004234568").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |

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|-----|----|-----------------------------|---|----|-----|------------------|
| L51 | 2 | ("20040234568").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L52 | 7 | "0472966" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L53 | 18 | "2008167" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L54 | 2 | "3487102".PN. | USPAT; USOCR | OR | ON | 2005/12/29 06:36 |
| L55 | 9 | "4504412" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L56 | 3 | L1 and L4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L57 | 5 | L6 and L9 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L58 | 5 | L11 and L10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L59 | 9 | 3,3-dimethyl-cyclohexane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L60 | 20 | L9 and L17 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L61 | 53 | L2 and L19 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L62 | 11 | cyclohexylalkanol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:53 |
| L63 | 22 | 3,3-dimethylcyclohex\$.clm. | US-PGPUB | OR | ON | 2005/12/29 06:36 |

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|-----|----|--------------------------|---|----|-----|------------------|
| L64 | 2 | ("5166412").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L65 | 74 | "0014051" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L66 | 2 | ("5166412").URPN. | USPAT | OR | ON | 2005/12/29 06:36 |
| L67 | 2 | ("6384269").URPN. | USPAT | OR | ON | 2005/12/29 06:36 |
| L68 | 2 | ("2004234568").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L69 | 2 | ("20040234568").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L70 | 7 | "0472966" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L71 | 18 | "2008167" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L72 | 2 | "3487102".PN. | USPAT; USOCR | OR | ON | 2005/12/29 06:36 |
| L73 | 9 | "4504412" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L74 | 3 | L1 and L4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L75 | 5 | L6 and L9 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L76 | 5 | L11 and L10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L77 | 9 | 3,3-dimethyl-cyclohexane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |

EAST Search History

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|-----|--------|-----------------------------|---|----|-----|------------------|
| L78 | 20 | L9 and L17 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L79 | 53 | L2 and L19 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L80 | 11 | cyclohexylalkanol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L81 | 22 | 3,3-dimethylcyclohex\$.clm. | US-PGPUB | OR | ON | 2005/12/29 06:36 |
| L82 | 32 | "4622221" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L83 | 2 | ("4622221").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/12/29 06:36 |
| L84 | 105 | L2 and L12 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L85 | 136 | 512/18.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L86 | 105 | L2 and L12 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L87 | 136 | 512/18.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:36 |
| L88 | 0 | I13 and I87 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:51 |
| L89 | 138298 | cyclohexyl | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 07:21 |
| L90 | 27 | I87 and I89 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/12/29 06:54 |

EAST Search History

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|-----|----|--|----------|----|----|------------------|
| L91 | 51 | (cyclohexyl and (fragranceor perfume)).clm. | US-PGPUB | OR | ON | 2005/12/29 07:21 |
|-----|----|--|----------|----|----|------------------|

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NEWS 17 DEC 16 MARPATprev will be removed from STN on December 31, 2005
NEWS 18 DEC 21 IPC search and display fields enhanced in CA/CAPLUS with the
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NEWS 19 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2

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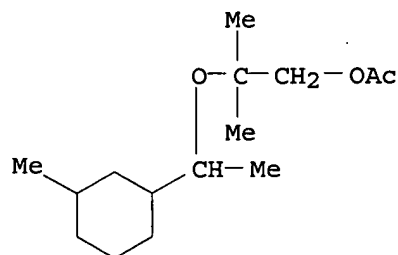
```
=> e 1-Propanol, 2-methyl-2-[1-(3-methylcyclohexyl)ethoxy]-, acetate/cn
E1      1      1-PROPANOL, 2-METHYL-2,3-DI-2-PYRIDYL-, DIPICRATE/CN
E2      1      1-PROPANOL, 2-METHYL-2,3-DIPHENYL-/CN
E3      0 --> 1-PROPANOL, 2-METHYL-2-1-(3-METHYLCYCLOHEXYL)ETHOXY-, ACET
           ATE/CN
E4      1      1-PROPANOL, 2-METHYL-2-(((1,2,3,4-TETRAHYDRO-8-QUINOLINYL)ME
           THYL)AMINO)-/CN
E5      1      1-PROPANOL, 2-METHYL-2-(((1-(2-(METHYLAMINO)-4-(PROPYLAMINO)
           -7-QUINAZOLINYL)-1H-PYRROL-3-YL)METHYL)AMINO)-/CN
E6      1      1-PROPANOL, 2-METHYL-2-(((1-METHYL-1H-PYRROL-2-YL)METHYL)(PH
           ENYLMETHYL)AMINO)-/CN
E7      1      1-PROPANOL, 2-METHYL-2-(((2-(2-PROPENYL)PHENYL)METHYL)AMINO)
           -/CN
E8      1      1-PROPANOL, 2-METHYL-2-(((2-(2-PROPENYLOXY)-1-NAPHTHALENYL)M
           ETHYL)AMINO)-/CN
E9      1      1-PROPANOL, 2-METHYL-2-(((2-(2-PROPENYLOXY)PHENYL)METHYL)AMI
           NO)-/CN
E10     1      1-PROPANOL, 2-METHYL-2-(((2-(METHYL-D3)PHENYL)METHYL)AMINO)-
           /CN
E11     1      1-PROPANOL, 2-METHYL-2-(((2-(PHENYLMETHOXY)-1-NAPHTHALENYL)M
           ETHYL)AMINO)-/CN
E12     1      1-PROPANOL, 2-METHYL-2-(((2-(PHENYLMETHOXY)PHENYL)METHYL)AMI
           NO)-/CN
```

```
=> e 1-Propanol, 2-methyl-2-(1-(3-methylcyclohexyl)ethoxy)-, acetate/cn
E1      1      1-PROPANOL, 2-METHYL-2-(1-(2-METHYLCYCLOHEXYL)ETHOXY) -/CN
E2      1      1-PROPANOL, 2-METHYL-2-(1-(2-METHYLCYCLOHEXYL)ETHOXY) -, PROP
          ANOATE/CN
E3      1 --> 1-PROPANOL, 2-METHYL-2-(1-(3-METHYLCYCLOHEXYL)ETHOXY) -, ACET
          ATE/CN
E4      1      1-PROPANOL, 2-METHYL-2-(1-(3-METHYLCYCLOHEXYL)ETHOXY) -, PROP
          ANOATE/CN
E5      1      1-PROPANOL, 2-METHYL-2-(1-(5-METHYL-3-CYCLOHEXEN-1-YL)ETHOXY
          )-/CN
E6      1      1-PROPANOL, 2-METHYL-2-(1-(5-METHYL-3-CYCLOHEXEN-1-YL)ETHOXY
          ) -, PROPANOATE/CN
E7      1      1-PROPANOL, 2-METHYL-2-(1-METHYLHEPTYLAMINO) -, BENZOATE, HYD
          ROCHLORIDE/CN
E8      1      1-PROPANOL, 2-METHYL-2-(1-METHYLHEPTYLAMINO) -, FORMATE/CN
E9      1      1-PROPANOL, 2-METHYL-2-(1-METHYLHEXYLAMINO) -/CN
E10     1      1-PROPANOL, 2-METHYL-2-(1-NAPHTHALENYLOXY) -/CN
E11     1      1-PROPANOL, 2-METHYL-2-(2,4,6-TRINITROANILINO) -/CN
E12     1      1-PROPANOL, 2-METHYL-2-(2-METHYL-2-((2-METHYL-2-PROPENYL)OXY
          )PROPOXY) -/CN
```

```
=> e3
L1      1 "1-PROPANOL, 2-METHYL-2-(1-(3-METHYLCYCLOHEXYL)ETHOXY) -, ACETATE
          "/CN
```

```
=> d 11
```

```
L1      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN      610769-93-2  REGISTRY
ED      Entered STN:  30 Oct 2003
CN      1-Propanol, 2-methyl-2-[1-(3-methylcyclohexyl)ethoxy] -, acetate
          (9CI) (CA INDEX NAME)
FS      3D CONCORD
MF      C15 H28 O3
SR      CA
LC      STN Files:   CA, CAPLUS, CASREACT, USPATFULL
```



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

```
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
```

```
=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST
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ENTRY          SESSION
7.73           7.94
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=> l1

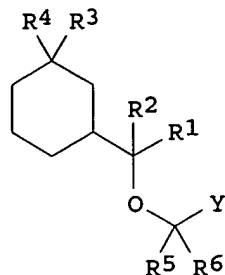
L2 1 L1

=> d l2 ti fbib abs

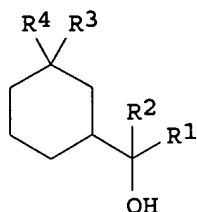
L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Methods for the production of novel alicyclic esters having a musky smell
AN 2003:796643 CAPLUS
DN 139:307907
TI Methods for the production of novel alicyclic esters having a musky smell
IN Eh, Marcus
PA Symrise GmbH & Co. KG, Germany
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|------------------|------------|
| PI | WO 2003082799 | A2 | 20031009 | WO 2003-EP3294 | 20030329 |
| | WO 2003082799 | A3 | 20031231 | | |
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| | DE 10214675 | A1 | 20031016 | DE 2002-10214675 | A 20020403 |
| | BR 2003004218 | A | 20040727 | BR 2003-4218 | 20030329 |
| | | | | DE 2002-10214675 | A 20020403 |
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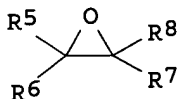
OS CASREACT 139:307907; MARPAT 139:307907
GI



I



II



III

AB The invention relates to novel alicyclic esters I [R1 = Me; R2, R4 = H; R3 = H, Me; R5, R6 = H, Me; Y = CR7R8OC(:O)R9; R7, R8 = H, Me; R9 = C1-5-alkyl, C2-5-alkylene; or R1, R2 = Me, Et; R3, R4 = H, Me; R5R6 = O; Y = CR7R8OC(:O)R9; or R1, R2 = Me, Et; R4, R5, R6, R7 = H, Me; Y = CR7R8OC(:O)R9], methods for their production, for their use as odorous substances for perfumed products and for odorous substance mixts. containing the inventive compds. The procedure for the preparation of I is characterized by reaction of cyclohexylalkanols II with carboxylic acids [R9CO2CR7R8CO2H, R9CO2H or XCR7R8CO2H (X = OH, halogen)] anhydrides [(R9CO2)2O or (XCR7R8CO2)2O], or epoxides, III. Thus, I [R1 = Me, R2 - R4 = H, R6 = CHMe2, Y = O2Cet] was prepared from 1-cyclohexylethanol via reaction with isobutylene oxide in cyclohexane containing BF3·OEt2, followed by reaction with (EtCO2)2O containing Et3N in the presence of catalytic DMAP. The odor of I [R1 = Me, R2 - R4 = H, R6 = CHMe2, Y = O2Cet] was characterized (perceptible rose bloom note).

=> logoff hold

COST IN U.S. DOLLARS

| | |
|------------|---------|
| SINCE FILE | TOTAL |
| ENTRY | SESSION |
| 3.10 | 11.04 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| | |
|------------|---------|
| SINCE FILE | TOTAL |
| ENTRY | SESSION |
| -0.73 | -0.73 |

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:17:59 ON 29 DEC 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:18:58 ON 29 DEC 2005
FILE 'CAPLUS' ENTERED AT 07:18:58 ON 29 DEC 2005
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 3.10 | 11.04 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| CA SUBSCRIBER PRICE | -0.73 | -0.73 |

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 3.55 | 11.49 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
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| CA SUBSCRIBER PRICE | -0.73 | -0.73 |

FILE 'REGISTRY' ENTERED AT 07:19:23 ON 29 DEC 2005
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 28 DEC 2005 HIGHEST RN 870751-96-5
DICTIONARY FILE UPDATES: 28 DEC 2005 HIGHEST RN 870751-96-5

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

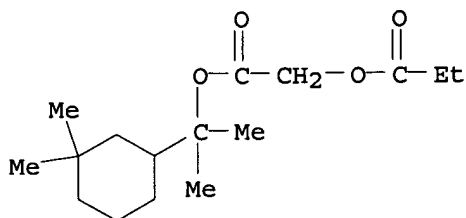
<http://www.cas.org/ONLINE/UG/regprops.html>

```
=> e Acetic acid, (1-oxopropoxy)-, 1-(3,3-dimethylcyclohexyl)-1-methylethyl/cn
E1      1      ACETIC ACID, (1-OXOPROPOXY)-, 1,2,4-TRIMETHYL-2-PENTENYL EST
          ER/CN
E2      1      ACETIC ACID, (1-OXOPROPOXY)-, 1-(3,3-DIMETHYL-1-CYCLOHEXEN-1
          -YL)ETHYL ESTER/CN
E3      0 --> ACETIC ACID, (1-OXOPROPOXY)-, 1-(3,3-DIMETHYLCYCLOHEXYL)-1-M
          ETHYLETHYL/CN
E4      1      ACETIC ACID, (1-OXOPROPOXY)-, 1-(3,3-DIMETHYLCYCLOHEXYL)-1-M
          ETHYLETHYL ESTER/CN
E5      1      ACETIC ACID, (1-OXOPROPOXY)-, 1-(3,3-DIMETHYLCYCLOHEXYL)ETHY
          L ESTER/CN
E6      1      ACETIC ACID, (1-OXOPROPOXY)-, 1-(5,5-DIMETHYL-1-CYCLOHEXEN-1
          -YL)ETHYL ESTER/CN
E7      1      ACETIC ACID, (1-OXOPROPOXY)-, 1-CYCLOHEXYL-1-METHYLETHYL EST
          ER/CN
E8      1      ACETIC ACID, (1-OXOPROPOXY)-, 1-METHYLPROPYL ESTER/CN
E9      1      ACETIC ACID, (1-OXOPROPOXY)-, 2-AMINO-2-METHYLPROPYL ESTER/C
          N
E10     1      ACETIC ACID, (1-OXOPROPOXY)-, 2-AMINO-2-METHYLPROPYL ESTER,
          HYDROCHLORIDE/CN
E11     1      ACETIC ACID, (1-OXOPROPOXY)-, 2-METHOXY-2-OXOETHYL ESTER/CN
E12     1      ACETIC ACID, (1-OXOPROPOXY)-, 2-PHENOXYETHYL ESTER/CN
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=> e4
L3      1 "ACETIC ACID, (1-OXOPROPOXY)-, 1-(3,3-DIMETHYLCYCLOHEXYL)-1-METH
          YLETHYL ESTER"/CN
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=> d l3
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L3      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN      610769-95-4  REGISTRY
ED      Entered STN:  30 Oct 2003
CN      Acetic acid, (1-oxopropoxy)-, 1-(3,3-dimethylcyclohexyl)-1-
methylethyl ester (9CI)  (CA INDEX NAME)
FS      3D CONCORD
MF      C16 H28 O4
SR      CA
LC      STN Files:  CA, CAPLUS, CASREACT, USPATFULL
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****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
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COST IN U.S. DOLLARS
FULL ESTIMATED COST

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| 7.30 | 18.79 |

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE

| SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|
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FILE COVERS 1907 - 29 Dec 2005 VOL 144 ISS 1
FILE LAST UPDATED: 28 Dec 2005 (20051228/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

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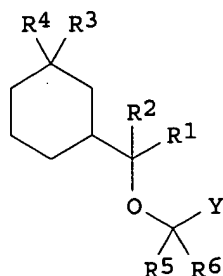
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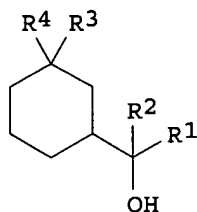
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Methods for the production of novel alicyclic esters having a musky smell
AN 2003:796643 CAPLUS
DN 139:307907
TI Methods for the production of novel alicyclic esters having a musky smell
IN Eh, Marcus
PA Symrise GmbH & Co. KG, Germany
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2003082799 | A2 | 20031009 | WO 2003-EP3294 | 20030329 |
| WO 2003082799 | A3 | 20031231 | | |
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| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, | | | |

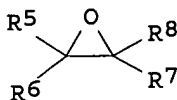
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| | | | DE 2002-10214675 | A 20020403 |
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| | | | WO 2003-EP3294 | W 20030329 |
| EP 1492759 | A2 | 20050105 | EP 2003-732270 | 20030329 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| | | | DE 2002-10214675 | A 20020403 |
| | | | WO 2003-EP3294 | W 20030329 |
| US 2005182273 | A1 | 20050818 | US 2003-510024 | 20030329 |
| | | | WO 2003-EP3294 | W 20030329 |
| OS | CASREACT 139:307907; MARPAT 139:307907 | | | |
| GI | | | | |



I



II



III

AB The invention relates to novel alicyclic esters I [R1 = Me; R2, R4 = H; R3 = H, Me; R5, R6 = H, Me; Y = CR7R8OC(:O)R9; R7, R8 = H, Me; R9 = C1-5-alkyl, C2-5-alkylene; or R1, R2 = Me, Et; R3, R4 = H, Me; R5R6 = O; Y = CR7R8OC(:O)R9; or R1, R2 = Me, Et; R4, R5, R6, R7 = H, Me; Y = CR7R8OC(:O)R9], methods for their production, for their use as odorous substances for perfumed products and for odorous substance mixts. containing the inventive compds. The procedure for the preparation of I is characterized by reaction of cyclohexylalkanols II with carboxylic acids [R9CO2CR7R8CO2H, R9CO2H or XCR7R8CO2H (X = OH, halogen)] anhydrides [(R9CO2)2O or (XCR7R8CO2)2O], or epoxides, III. Thus, I [R1 = Me, R2 - R4 = H, R6 = CHMe2, Y = O2Cet] was prepared from 1-cyclohexylethanol via reaction with isobutylene oxide in cyclohexane containing BF3·OEt2, followed by reaction with (EtCO2)2O containing Et3N in the presence of catalytic DMAP. The odor of I [R1 = Me, R2 - R4 = H, R6 = CHMe2, Y = O2Cet] was characterized (perceptible rose bloom note).

=> logoff hold

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 3.10 | 21.89 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| -0.73 | -1.46 |

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